

Form PTO-1449 (modified)

Atty. Docket No.

WARF:018US

Serial No.

10/655,914

List of Patents and Publications for Applicant's

Applicant

Frederick R. Blattner et al.

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date:

September 5, 2003

Group:

1636

U.S. Patent Documents

See Page 1

Foreign Patent Documents

See Page 1

Other Art

See Page 2



U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
NV	A1	5,747,662	05/05/98	Simmons <i>et al.</i>	536	24.1	3/01/95
	A2	5,578,464	11/26/96	Lunn <i>et al.</i>	435	69.1	5/11/95
	A3	5,824,502	10/20/98	Honjo <i>et al.</i>	435	69.1	3/27/97
	A4	5,962,327	10/05/99	Dujon <i>et al.</i>	435	478	4/5/95
	A5	6,015,709	01/28/00	Natesan	435	366	8/27/97
	A6	6,022,952	02/08/00	Weiner <i>et al.</i>	530	350	4/1/98
	A7	6,117,680	09/12/00	Natesan <i>et al.</i>	435	455	8/26/98
	A8	6,238,924	05/29/01	Dujon <i>et al.</i>	435	477	11/20/98
	A9	6,335,178	01/01/02	Weiner <i>et al.</i>	435	69.1	05/28/98
	A10	6,372,476	04/16/02	Belguith <i>et al.</i>	435	233	8/26/99
	A11	6,410,273	06/25/02	Crouzet <i>et al.</i>	435	91.1	6/24/97
	A12	6,509,156	01/21/03	Stewart <i>et al.</i>	435	6	12/7/98

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
NV	B1	EP 0 283 7236	09/28/88	Europe			
NV	B2	EP 0177343	4/09/86	Europe			
NV	B3	WO 01/27258	04/19/01	WIPO			
NV	B4	WO 02/14495	2/21/02	WIPO			
NV	B5	WO 03/048374	06/12/03	WIPO			
NV	B6	WO 03/070880	08/28/03	WIPO			
NV	B7	WO 2005/087940	09/22/05	WIPO			

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		Filing Date: September 5, 2003	Group: 1636
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 2</i>	

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NV	B8	WO 96/14408	5/17/96	WIPO			

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NV	C1	Aristidou <i>et al.</i> , "Modification of central metabolic pathway in escherichia coli to reduce acetate accumulation by heterologous expression of the bacillus subtilis acetolactate synthase gene," <i>Biotechnology and Bioengineering</i> , 44:944-951, 1994
	C2	Balbas, "Understanding the art of producing protein and non-protein molecules in E. coli," <i>Molec Biotechnol.</i> , 19:251-267, 2001.
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	C4	Bermejo <i>et al.</i> , "Expression of clostridium acetobutylicum ATCC 824 genes in escherichia coli for acetone production and acetate detoxification," <i>Applied and Environmental Microbiology</i> , 64:1079-1085, 1998
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	C6	Blattner <i>et al.</i> , "The complete genome sequence of Escherichia coli K-12," <i>Science</i> , 277:1453-1474, 1997.
	C7	Blaudeck <i>et al.</i> , "Specificity of single peptide recognition in TAT-dependent bacterial protein translocation," <i>J. Bacteriology</i> , 183:604-610, 2001.
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NV	C11	Court <i>et al.</i> , "Genetic engineering using homologous recombination," <i>Annu Rev Genet</i> , 36:361-388, 2002.
	C12	Danese <i>et al.</i> , "Targeting and assembly of periplasmic and outer-membrane proteins in <i>Escherichia coli</i> ," <i>Annu Rev Genet</i> , 32:59-64, 1998.
	C13	Database EMBL, "E.coli genomic DNA, Kohara clone #421(55.1-55.5 min.)," Database Accession No. ECD874.
	C14	Datsenko <i>et al.</i> , "One-step inactivation of chromosomal genes in <i>Escherichia coli</i> K-12 using PCR products," <i>Proc. Natl. Acad. Sci., USA</i> , 97:6640-6649, 2000.
	C15	Dedhia <i>et al.</i> , "Overproduction of glycogen in <i>escherichia coli</i> blocked in the acetate pathway improved cell growth," <i>Biotechnology and Bioengineering</i> , 44:132-139, 1994.
	C16	Degryse, "Evaluation of <i>Escherichia coli</i> recBC sbcBC mutants for cloning by recombination in vivo," <i>J. Biotechnology</i> , 39:181-187, 1995.
	C17	DeLisa <i>et al.</i> , "Quorum sensing via AI-2 communicates the metabolic burden associated with heterologous protein production in <i>E. coli</i> ," <i>Biotech Bioeng</i> , 75(4):439-450, 2001.
	C18	Diaz-Ricci <i>et al.</i> , "Effects of alteration of the acetic acid synthesis pathway on the fermentation pattern of <i>escherichia coli</i> ," <i>Biotechnology and Bioengineering</i> , 38:1318-1324, 1991
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	C20	Fekkes <i>et al.</i> , "Protein targeting to the bacterial cytoplasmic membrane," <i>Microbiol. Mol. Biol. Rev.</i> , 63:161-193, 1999.
	C21	Gill <i>et al.</i> , "A comparative study of global stress gene regulation in response to overexpression of recombinant proteins in <i>E. coli</i> ," <i>Metabolic Engineering</i> , 2:178-189, 2000.
	C22	Hahm D H <i>et al.</i> , "Characterization and evaluation of a pta (phosphotransacetylase) negative mutant of <i>Escherichia coli</i> HB101 as production host of foreign lipase," <i>Applied Microbiology and Biotechnology</i> , 42:100-107, 1994.
	C23	Hanahan <i>et al.</i> , "Studies on transformation of <i>Escherichia coli</i> with plasmids," <i>J. Mol. Biol.</i> , 166(4):557-580, 1983.
V	C24	Hannig, "Strategies for optimizing heterologous protein expression in <i>Escherichia coli</i> ," <i>Trends Biotechnol.</i> , 16(2):54-60, 1998.

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NV	C25	Hayashi <i>et al.</i> , "Construction of a genetic linkage map of the model legume <i>Lotus japonicus</i> using an intraspecific F2 population," <i>DNA Research</i> , 8:11-22, 2001.
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	C27	Holms, "Flux analysis and control of the central metabolic pathways in <i>Escherichia coli</i> ," <i>FEMS Microbiology Reviews</i> , 19:85-116, 1996.
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	C30	Kakuda <i>et al.</i> , "Construction of Pta-Ack pathway deletion mutants of <i>Escherichia coli</i> and characteristic growth profiles of the mutants in a rich medium," <i>Bioscience Biotechnology Biochemistry</i> , 58:2232-2235, 1994.
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	C32	Kolisnychenko <i>et al.</i> , "Engineering a reduced <i>Escherichia coli</i> genome," <i>Genome Research</i> , 12:640-647, 2002.
	C33	Koob <i>et al.</i> , "Minimizing the genome of <i>Escherichia coli</i> ," <i>Ann NY Acad Science</i> , 745:1-3, 1994.
	C34	Koonin, "How many genes can make a cell: the minimal-gene-set concept," <i>Ann Rev Genome Hum Genet</i> , 1:99-116, 2000.
	C35	Lee, "High cell-density culture of <i>Escherichia coli</i> ," <i>TIBTECH</i> , 14:98-103, 1996.
	C36	Murphy, "Use of bacteriophage λ recombination functions to promote gene replacement in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> , 180:2063-2071, 1998.
	C37	Muyrers <i>et al.</i> , "Rapid modification of bacterial artificial chromosomes by ET-recombination," <i>Nucleic Acids Research</i> , 27:1555-1557, 1999.

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U.S. Patent Documents See Page 1	Foreign Patent Documents See Page 1	Other Art See Page 2	

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NV	C38	Neidhardt <i>et al.</i> , "Culture medium for Enterobacteria," <i>J. Bacteriol.</i> , 119:736-747, 1974.
	C39	Oliner <i>et al.</i> , "In vivo cloning of PCR products in <i>E. coli</i> ," <i>Nucleic Acids Research</i> , 2(22):5192-5197, 1993.
	C40	Otto <i>et al.</i> , "Surface sensing and adhesion of <i>E. coli</i> controlled by the Cpx-signaling pathway," <i>Proc. Natl. Acad. Sci., USA</i> , 99(4):2287-2292, 2002.
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	C42	Pfeifer <i>et al.</i> , "Biosynthesis of complex polyketides in metabolically engineered strain of <i>E. coli</i> ," <i>Science</i> 291:1790-1792, 2001.
	C43	Ponce E., "Effect of growth rate reduction and genetic modifications of acetate accumulation and biomass yields in <i>Escherichia coli</i> ," <i>Biotechnology and Bioengineering</i> , 87:775-780, 1999.
	C44	Posfai <i>et al.</i> , "Markerless gene replacement in <i>Escherichia coli</i> stimulated by a double-strand break in the chromosome," <i>Nucleic Acids Research</i> , 27:4409-4415, 1999.
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	C47	Reisenberg, "High cell density cultivation of <i>E. coli</i> at controlled specific growth rate," <i>J. Biotech</i> , 20(10:17-27, 1991.
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	C49	Sang, "High cell-density-culture of <i>Escherichia coli</i> ," <i>Trends in Biotechnology</i> , 14:98-105, 1996.
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	C51	Sargent <i>et al.</i> , "Overlapping functions of components of a bacterial sec-independent protein export pathway," <i>EMBO J.</i> , 17:3640-3650, 1998.

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NV	C52	Schaechter <i>et al.</i> , "Introduction," In: <i>Escherichia coli and Salmonella</i> , ed. Neidhart, FC <i>et al.</i> , 1-2, ASM Press, Washington, D.C., 1997.
	C53	Selinger <i>et al.</i> , "RNA expression analysis using a 30 base pair resolution Escherichia coli genome array," <i>Nat Biotechnol</i> , 18(12):1262-1268, 2000.
	C54	Shiloach <i>et al.</i> "Effects of glucose supply strategy on acetate accumulation, by escherichia coli BL21 (lambda-DE3) and escherichia coli JM109," <i>Biotechnology and Bioengineering</i> , 49:421-428, 1996.
	C55	Shiloach <i>et al.</i> , "Growing E. Coli to high cell density-A historical perspective on method development," <i>Biotechnology Advances</i> , 23:345-357, 2005.
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	C58	Smalley <i>et al.</i> , "In search of the minimal escherichia coli genome," <i>Trends in Microbiology</i> , 11:6-8, 2003.
	C59	Swartz, "Advances in E. coli production of therapeutic proteins," <i>Curr. Opin in Biotech</i> , 12:195-201, 2001.
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↓	C64	Yang <i>et al.</i> , "Metabolic flux analysis of escherichia coli deficient in the acetate production pathway and expressing the bacillus subtilis acetolactate synthase," <i>Metabolic Engineering</i> 1:26-34, 1999.

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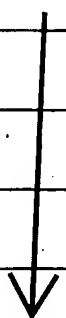
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	NV	C65 Yu <i>et al.</i> , "An efficient recombination system for chromosome engineering in <i>Escherichia coli</i> ," <i>Proc. Natl. Acad. Sci., USA</i> , 97:5978-5983, 2000.
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		C67 Zhang <i>et al.</i> , "A new logic for DNA engineering using recombination in <i>Escherichia coli</i> ," <i>Nature Genetics</i> , 20:123-128, 1998.
		C68 Zhang <i>et al.</i> , "DNA cloning by homologous recombination in <i>Escherichia coli</i> ," <i>Nature Biotech.</i> , 18:1314-1317, 2000.
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